Basic Model: Model 0

Features:

(1). Current\_Word

(2). Current\_Tag

(3). Upper\_Case

Precision = 87.19827

Recall = 80.92

f\_measure = 83.9419

Tag Accuracy = 95.58793

Model 1

Features :

(1). Previous\_Word

(2). Previous\_Tag

(3). Previous\_BIO(Predicted)

(4). Current\_Word

(5). Upper\_Case

(6). Current\_Tag

Precision = 85.344826

Recall = 83.544304

f\_measure = 84.43497

Tag Accuracy = 95.5255

Model 2

Features :

(1). Previous\_Word

(2). Previous\_Tag

(3). Previous\_BIO(Predicted)

(4). Current\_Word

(5). Upper\_Case

(6). Current\_Tag

(7). Next\_Word

(8). Next\_Tag

Precision = 89.48276

Recall = 87.78013

f\_measure = 88.62327

Tag Accuracy = 96.65973

Final Model

Features :

(1). Previous\_Word

(2). Previous\_Tag

(3). Previous\_Upper\_Case

(4). Previous\_BIO(Predicted)

(5). Current\_Word

(6). Upper\_Case

(7). Current\_Tag

(8). Next\_Word

(9). Next\_Tag

(10). Next\_Upper\_Case

Results:

Tag Accuracy = 96.72217

Precision = 89.52586

Recall = 87.71115

f\_measure = 88.609215